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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/787,292	02/26/2004	John J. Vajo	GP-303955	4952
7590 01/18/2007 Kathryn A. Marra Mail Code 482-C23-B21 300 Renaissance Center P. O. Box 300 Detroit, MI 48265-3000			EXAMINER  LANGEL, WAYNE A	
			ART UNIT	PAPER NUMBER
			1754	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		01/18/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)
·	10/787,292	VAJO ET AL.
Office Action Summary	Examiner	Art Unit
	Wayne Langel	1754
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with th	e correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING [ - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory perioc - Failure to reply within the set or extended period for reply will, by statul Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATI  .136(a). In no event, however, may a reply be  d will apply and will expire SIX (6) MONTHS fr  te, cause the application to become ABANDO	ON.  It imply filed  om the mailing date of this communication.  NED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 21 I      This action is <b>FINAL</b> . 2b) ☐ Thi      Since this application is in condition for allowed closed in accordance with the practice under	s action is non-final. ance except for formal matters, p	
Disposition of Claims		
4) ☐ Claim(s) 1-199 is/are pending in the application 4a) Of the above claim(s) 195-199 is/are without 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) See Continuation Sheet is/are reject 7) ☐ Claim(s) 10,11,17,23,26,31-69,71,72,85,86,9 8) ☐ Claim(s) are subject to restriction and/or	drawn from consideration. ed. 1,99-101,119,120,130,139-177	<i>and 180</i> is/are objected to.
Application Papers		
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) accomposed and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the specific product of the s	cepted or b) objected to by the drawing(s) be held in abeyance. Sometion is required if the drawing(s) is	See 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	nts have been received.  Its have been received in Applicate the contract of t	ation No ived in this National Stage
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summa Paper No(s)/Mail 5) Notice of Informa	Date
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	6) Other:	стопт фриосион

Continuation of Disposition of Claims: Claims rejected are 1-9,12-16,18-22,24,25,27-30,70,73-84,87-90,92-98,102-118,121-129,131-138,178,179 and 181-194.

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-9, 12-16, 18-22, 24, 25, 27-30, 70,73-84, 87-90, 92-98. 102-118, 121-129, 131-138, 178, 179 and 181-194 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Chen et al '936, for the reasons given in the last Office Action. Applicants' argument, that Chen et al '936 lacks any description or suggestion to react a hydride composition with a hydroxide composition to form hydrogen, is not convincing, since applicants have not explained why the reaction between the alkali metal hydride and alkali metal hydroxide in the process of Chen et al '936 would not inherently form hydrogen. Applicants' original claim 81 provides evidence that the carbon present in the reaction mixture of Chen et al '936 would catalyze the reaction between the alkali metal hydride and alkali metal hydroxide to form hydrogen. Applicants' argument, that there is no suggestion in Chen et al '936 that mixtures or combinations of the alkali metal salts could, or more importantly should be selected and used in an independent reaction, is not convincing. Chen et al '936 suggest at col. 5, lines 1-7 and col. 8, lines 58-61, for example, that

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mixtures of the alkali metal salts may be reacted. There is no requirement that Chen et al '936 suggest that mixtures should be reacted, since it is only necessary that the prior art fairly suggests doing what applicants' done, i.e., reacted an alkali metal hydride with an alkali metal hydroxide. Applicants' argument, that there is no disclosure or suggestion in Chen et al '936of producing hydrogen in the calcinations process where hydrogen is intentionally present as a reducing atmosphere, is not convincing, since Chen et al '936 discloses at col. 5, lines 50-56 that the calcinations may be carried out in an inert atmosphere. Applicants' argument, that claim 111 requires a hydrogenated state and a dehydrogenated state, is not convincing, since the composition of Chen et al '936 would be in the dehydrogenated state after the calcinations.

Claims 10, 11, 17, 23, 26, 31-69, 71, 72, 85, 86, 91, 99-101, 119, 120, 130, 139-177 and 180 are objected to as based on rejected parent claims, and would be allowed if written in independent form.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wayne Langel whose telephone number is 571-272-1353. The examiner can normally be reached on Monday through Friday, 8 am - 3:30 pm Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman can be reached on 571-272-1358. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Wayne Langel Primary Examiner

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